

R. Jager
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RAW SEQUENCE LISTING
PATENT APPLICATION US/09/220,617B TECH CENTER 1600/2900

DATE: 01/19/2001
TIME: 22:03:40

(first 5 pages shown)

INPUT SET: S36289.raw

1

SEQUENCE LISTING

2

3 (1) GENERAL INFORMATION:

4

5 (i) APPLICANT: JOHNSON, EUGENE M
6 MILBRANDT, JEFFREY D
7 KOTZBAUER, PAUL T
8 LAMPE, PATRICIA A
9 KLEIN, ROBERT
10 DESAUVAGE, FRED

11

12 (ii) TITLE OF INVENTION: PERSEPHIN AND RELATED GROWTH FACTOR

13

14 (iii) NUMBER OF SEQUENCES: 242

15

16 (iv) CORRESPONDENCE ADDRESS:

17 (A) ADDRESSEE: HOWELL & HAVERKAMP, L.C.
18 (B) STREET: 7733 FORSYTH BOULEVARD, SUITE 1400
19 (C) CITY: ST. LOUIS
20 (D) STATE: MO
21 (E) COUNTRY: USA
22 (F) ZIP: 63105

23

24 (v) COMPUTER READABLE FORM:

25 (A) MEDIUM TYPE: Floppy disk
26 (B) COMPUTER: IBM PC compatible
27 (C) OPERATING SYSTEM: PC-DOS/MS-DOS
28 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30

29

30 (vi) CURRENT APPLICATION DATA:

31 (A) APPLICATION NUMBER:US/09/220,617
32 (B) FILING DATE: 24 Dec. 1998
33 (C) CLASSIFICATION:

34

35 (viii) ATTORNEY/AGENT INFORMATION:

36 (A) NAME: GENDLOFF, ELIE H.
37 (B) REGISTRATION NUMBER: 44,704
38 (C) REFERENCE/DOCKET NUMBER: 6029-7976

39

40 (ix) TELECOMMUNICATION INFORMATION:

41 (A) TELEPHONE: 314-727-5188
42 (B) TELEFAX: 314-727-6092

43

44

45 (2) INFORMATION FOR SEQ ID NO:1:

46

47 (i) SEQUENCE CHARACTERISTICS:

48 (A) LENGTH: 102 amino acids
49 (B) TYPE: amino acid
50 (C) STRANDEDNESS:

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RAW SEQUENCE LISTING
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51 (D) TOPOLOGY: linear
52
53 (ii) MOLECULE TYPE: protein
54
55
56
57 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:
58
59 Ala Arg Leu Gly Ala Arg Pro Cys Gly Leu Arg Glu Leu Glu Val Arg
60 1 5 10 15
61
62 Val Ser Glu Leu Gly Leu Gly Tyr Ala Ser Asp Glu Thr Val Leu Phe
63 20 25 30
64
65
66
67 Arg Tyr Cys Ala Gly Ala Cys Glu Ala Ala Ala Arg Val Tyr Asp Leu
68 35 40 45
69
70 Gly Leu Arg Arg Leu Arg Gln Arg Arg Arg Leu Arg Arg Glu Arg Val
71 50 55 60
72
73 Arg Ala Gln Pro Cys Cys Arg Pro Thr Ala Tyr Glu Asp Glu Val Ser
74 65 70 75 80
75
76 Phe Leu Asp Ala His Ser Arg Tyr His Thr Val His Glu Leu Ser Ala
77 85 90 95
78
79 Arg Glu Cys Ala Cys Val
80 100
81
82 (2) INFORMATION FOR SEQ ID NO:2:
83
84 (i) SEQUENCE CHARACTERISTICS:
85 (A) LENGTH: 100 amino acids
86 (B) TYPE: amino acid
87 (C) STRANDEDNESS:
88 (D) TOPOLOGY: linear
89
90 (ii) MOLECULE TYPE: protein
91
92
93
94 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:
95
96 Pro Gly Ala Arg Pro Cys Gly Leu Arg Glu Leu Glu Val Arg Val Ser
97 1 5 10 15
98
99 Glu Leu Gly Leu Gly Tyr Thr Ser Asp Glu Thr Val Leu Phe Arg Tyr
100 20 25 30

**RAW SEQUENCE LISTING
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101 Cys Ala Gly Ala Cys Glu Ala Ala Ile Arg Ile Tyr Asp Leu Gly Leu
102 35 40 45
103
104 Arg Arg Leu Arg Gln Arg Arg Val Arg Arg Glu Arg Ala Arg Ala
105 50 55 60
106
107 His Pro Cys Cys Arg Pro Thr Ala Tyr Glu Asp Glu Val Ser Phe Leu
108 65 70 75 80
109
110 Asp Val His Ser Arg Tyr His Thr Leu Gln Glu Leu Ser Ala Arg Glu
111 85 90 95
112
113 Cys Ala Cys Val
114 100
115
116
(2) INFORMATION FOR SEQ ID NO:3:
117
118
119 (i) SEQUENCE CHARACTERISTICS:
120 (A) LENGTH: 16 amino acids
121 (B) TYPE: amino acid
122 (C) STRANDEDNESS:
123 (D) TOPOLOGY: linear
124
125 (ii) MOLECULE TYPE: peptide
126
127
128 (ix) FEATURE:
129 (A) NAME/KEY: Modified-site
130 (B) LOCATION: 6
131 (D) OTHER INFORMATION: /note= "ANY AMINO ACID"
132
133
134 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:
135
136 Ser Gly Ala Arg Pro Xaa Gly Leu Arg Glu Leu Glu Val Ser Val Ser
137 1 5 10 15
138
139
(2) INFORMATION FOR SEQ ID NO:4:
140
141
142 (i) SEQUENCE CHARACTERISTICS:
143 (A) LENGTH: 10 amino acids
144 (B) TYPE: amino acid
145 (C) STRANDEDNESS:
146 (D) TOPOLOGY: linear
147
148 (ii) MOLECULE TYPE: peptide
149
150

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151 (ix) FEATURE:
152 (A) NAME/KEY: Modified-site
153 (B) LOCATION: 1
154 (D) OTHER INFORMATION: /note= "ANY AMINO ACID"
155
156 (ix) FEATURE:
157 (A) NAME/KEY: Modified-site
158 (B) LOCATION: 6
159 (D) OTHER INFORMATION: /note= "SERINE OR CYSTEINE"
160
161
162 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:
163
164 Xaa Cys Ala Gly Ala Xaa Glu Ala Ala Val
165 1 5 10
166
167 (2) INFORMATION FOR SEQ ID NO:5:
168
169 (i) SEQUENCE CHARACTERISTICS:
170 (A) LENGTH: 23 amino acids
171 (B) TYPE: amino acid
172 (C) STRANDEDNESS:
173 (D) TOPOLOGY: linear
174
175 (ii) MOLECULE TYPE: peptide
176
177
178 (ix) FEATURE:
179 (A) NAME/KEY: Modified-site
180 (B) LOCATION: 1
181 (D) OTHER INFORMATION: /note= "ANY AMINO ACID"
182
183 (ix) FEATURE:
184 (A) NAME/KEY: Modified-site
185 (B) LOCATION: 2
186 (D) OTHER INFORMATION: /note= "ANY AMINO ACID"
187
188 (ix) FEATURE:
189 (A) NAME/KEY: Modified-site
190 (B) LOCATION: 17
191 (D) OTHER INFORMATION: /note= "GLUTAMINE OR GLUTAMIC ACID"
192
193
194 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:
195
196 Xaa Xaa Val Glu Ala Lys Pro Cys Cys Gly Pro Thr Ala Tyr Glu Asp
197 1 5 10 15
198
199 Xaa Val Ser Phe Leu Ser Val
200 20

**RAW SEQUENCE LISTING
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201
202 (2) INFORMATION FOR SEQ ID NO:6:
203
204 (i) SEQUENCE CHARACTERISTICS:
205 (A) LENGTH: 10 amino acids
206 (B) TYPE: amino acid
207 (C) STRANDEDNESS:
208 (D) TOPOLOGY: linear
209
210 (ii) MOLECULE TYPE: peptide
211
212
213
214 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:
215
216 Tyr His Thr Leu Gln Glu Leu Ser Ala Arg
217 1 5 10
218
219 (2) INFORMATION FOR SEQ ID NO:7:
220
221 (i) SEQUENCE CHARACTERISTICS:
222 (A) LENGTH: 197 amino acids
223 (B) TYPE: amino acid
224 (C) STRANDEDNESS:
225 (D) TOPOLOGY: linear
226
227 (ii) MOLECULE TYPE: protein
228
229
230
231 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:
232
233 Met Gln Arg Trp Lys Ala Ala Ala Leu Ala Ser Val Leu Cys Ser Ser
234 1 5 10 15
235
236 Val Leu Ser Ile Trp Met Cys Arg Glu Gly Leu Leu Leu Ser His Arg
237 20 25 30
238
239 Leu Gly Pro Ala Leu Val Pro Leu His Arg Leu Pro Arg Thr Leu Asp
240 35 40 45
241
242 Ala Arg Ile Ala Arg Leu Ala Gln Tyr Arg Ala Leu Leu Gln Gly Ala
243 50 55 60
244
245 Pro Asp Ala Met Glu Leu Arg Glu Leu Thr Pro Trp Ala Gly Arg Pro
246 65 70 75 80
247
248 Pro Gly Pro Arg Arg Arg Ala Gly Pro Arg Arg Arg Arg Ala Arg Ala
249 85 90 95
250